

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A device for packetizing scalably encoded and progressively encrypted data, said device comprising:

a receiver that receives ~~adapted to receive~~ a stream of data from an encoding and encrypting device, wherein at least a first portion of said data ~~is~~ are scalably encoded and progressively encrypted, wherein scalably encoded and progressively encrypted data comprises a first block of data that when decoded and decrypted reconstructs a first version of original data and a second block of data that when decoded and decrypted in combination with said first block reconstructs a second version of said original data, wherein said first block is independently encrypted and said second block is encrypted based on said first block; and

a packetizer coupled to said receiver that packetizes ~~[[.]]~~ ~~said packetizer adapted to packetize~~ at least a second portion of said data into secure and scalable data packets.

2. (Original) The device of Claim 1 wherein said device is adapted to receive said data in real time as said data are output from said encoding and encrypting device.

3. (Original) The device of Claim 1 wherein said device is adapted to receive said data from a storage unit of said encoding and encrypting device.

4. (Original) The device of Claim 1 wherein said data are selected from the group consisting of: video data, audio data, image data, graphic data, and web page data.

5. (Original) The device of Claim 1 wherein said data comprise header data and payload data, wherein said header data provide information corresponding to said payload data, wherein said information allows a transcoder to transcode said secure and scalable data packets without decrypting and decoding said secure and scalable data packets.

6. (Original) The device of Claim 5 wherein said header data are unencrypted.

7. (Original) The device of Claim 5 wherein said header data are encrypted.

8. (Original) The device of Claim 1 comprising:
a storage unit coupled to said receiver, said storage unit for storing said data prior to packetization of said data by said packetizer.

9. (Original) The device of Claim 1 comprising:
a storage unit coupled to said packetizer, said storage unit for storing said data subsequent to packetization of said data by said packetizer.

10. (Original) The device of Claim 1 comprising:
a transmitter coupled to said packetizer, said transmitter for transmitting secure and scalable data packets to a downstream device.

11. (Original) The device of Claim 10 wherein said device transmits a subset of said secure and scalable data packets, wherein said subset is selected according to attributes downstream of said device.

12. (Original) The device of Claim 1 wherein said data received from said encoding and encrypting device comprise a subset of a larger set of data, wherein said subset is selected according to attributes downstream of said device.

13. (Original) The device of Claim 1 wherein said packetizer packetizes a subset of said data, wherein said subset is selected according to attributes downstream of said device.

14. (Currently Amended) A method for packetizing scalably encoded and progressively encrypted data, said method comprising:

a) receiving a stream of data from an encoding and encrypting device, wherein at least a first portion of said data ~~is~~ are scalably encoded and progressively encrypted, wherein scalably encoded and progressively encrypted data comprises a first block of data that when decoded and decrypted reconstructs a first version of original data and a second block of data that when decoded and decrypted in combination with said first block reconstructs a second version of said original data, wherein said first block is independently encrypted and said second block is encrypted based on said first block; and

b) packetizing at least a second portion of said data into secure and scalable data packets.

15. (Original) The method of Claim 14 wherein said data are received in real time as said data are output from said encoding and encrypting device.

16. (Original) The method of Claim 14 wherein said data are received from a storage unit of said encoding and encrypting device.

17. (Original) The method of Claim 14 wherein said data are selected from the group consisting of: video data, audio data, image data, graphic data, and web page data.

18. (Original) The method of Claim 14 wherein said data comprise header data and payload data, wherein said header data provide information corresponding to said payload data, wherein said information allows a transcoder to transcode said secure and scalable data packets without decrypting and decoding said secure and scalable data packets.

19. (Original) The method of Claim 18 wherein said header data are unencrypted.

20. (Original) The method of Claim 18 wherein said header data are encrypted.

21. (Original) The method of Claim 14 comprising:
storing said data prior to said step of packetizing.

22. (Original) The method of Claim 14 comprising:
storing said data subsequent to said step of packetizing.

23. (Original) The method of Claim 14 comprising:
transmitting secure and scalable data packets to a downstream device.

24. (Original) The method of Claim 23 further comprising:
selecting a subset of said secure and scalable data packets according
to downstream attributes; and
transmitting said subset of said secure and scalable data packets.

25. (Original) The method of Claim 14 wherein said data received
from said encoding and encrypting device comprise a subset of a larger set
of data, wherein said subset is selected according to downstream attributes.

26. (Original) The method of Claim 14 wherein said step b)
comprises:
selecting a subset of said data according to downstream attributes;
and
packetizing said subset.

27. (Currently Amended) A computer readable medium having
computer readable code stored thereon for causing a device to perform a
method for packetizing scalably encoded and progressively encrypted data,
said method comprising:

a) receiving a stream of data from an encoding and encrypting
device, wherein at least a first portion of said data is ~~are~~ scalably encoded
and progressively encrypted, wherein scalably encoded and progressively
encrypted data comprises a first block of data that when decoded and
decrypted reconstructs a first version of original data and a second block of
data that when decoded and decrypted in combination with said first block
reconstructs a second version of said original data, wherein said first block
is independently encrypted and said second block is encrypted based on said
first block; and

b) packetizing at least a second portion of said data into secure and scalable data packets.

28. (Original) The computer readable medium of Claim 27 wherein said data are received in real time as said data are output from said encoding and encrypting device.

29. (Original) The computer readable medium of Claim 27 wherein said data are received from a storage unit of said encoding and encrypting device.

30. (Original) The computer readable medium of Claim 27 wherein said data are selected from the group consisting of: video data, audio data, image data, graphic data, and web page data.

31. (Original) The computer readable medium of Claim 27 wherein said data comprise header data and payload data, wherein said header data provide information corresponding to said payload data, wherein said information allows a transcoder to transcode said secure and scalable data packets without decrypting and decoding said secure and scalable data packets.

32. (Original) The computer readable medium of Claim 31 wherein said header data are unencrypted.

33. (Original) The computer readable medium of Claim 31 wherein said header data are encrypted.

34. (Original) The computer readable medium of Claim 27 wherein said method comprises:

storing said data prior to said step b) of said method.

35. (Original) The computer readable medium of Claim 27 wherein said method comprises:

storing said data subsequent to said step b) of said method.

36. (Original) The computer readable medium of Claim 27 wherein said method comprises:

transmitting secure and scalable data packets to a downstream device.

37. (Original) The computer readable medium of Claim 36 wherein said method further comprises:

selecting a subset of said secure and scalable data packets according to downstream attributes; and

transmitting said subset of said secure and scalable data packets.

38. (Original) The computer readable medium of Claim 27 wherein said data received from said encoding and encrypting device comprise a subset of a larger set of data, wherein said subset is selected according to downstream attributes.

39. (Original) The computer readable medium of Claim 27 wherein said step b) of said method comprises:

selecting a subset of said data according to downstream attributes; and

packetizing said subset.